IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	
MAILLARD *et al.*	Art Unit: To Be Assigned
Appl. No. (To Be Assigned) (Continuation Application of U.S. Patent Appl. No. 09/400,443; filed: 9/21/99)	Examiner: To Be Assigned
Filed: January 25, 2002	Atty. Docket: 1581.0330002
For: **Smartcard For Use With a** **Receiver of Encrypted Broadcast** **Signals, And Receiver**	

Preliminary Amendment Under 37 C.F.R. § 1.115

Commissioner for Patents
Washington, D.C. 20231

Sir:

      A Preliminary Amendment is set forth below. Please enter this Amendment prior

to calculation of any claim fee and prior to examination of the present application

      It is not believed that extensions of time or fees for net addition of claims are

required beyond those that may otherwise be provided for in documents accompanying

this paper. However, if additional extensions of time are necessary to prevent

abandonment of this application, then such extensions of time are hereby petitioned

under 37 C.F.R. § 1.136(a), and any fees required therefor (including fees for net addition

of claims) are hereby authorized to be charged to our Deposit Account No. 19-0036.

This Amendment is provided in the following format:

      (A) A clean version of each replacement paragraph/section/claim along with clear

instructions for entry;

      (B) Starting on a separate page, appropriate remarks and arguments. 37

C.F.R. § 1.111 and MPEP 714; and

(C) Starting on a separate page, a marked-up version entitled: "Version

with markings to show changes made."

Amendments

In the Specification:

At page 1, after line 1 (the title of the invention), please insert:

--This application is a continuation of Application No. 09/400,443 filed September 21,

1999, which is a continuation of PCT/EP97/02107, filed April 25, 1997.--

Kindly substitute the paragraph at page 2, lines 1-4, with the following paragraph:

--   Dynamic creation (and removal) of zones in the smartcard allows

for the rights afforded to the subscriber by means of the smartcard to be

changed easily and quickly by, for example, EMMs (Entitlement

Management Messages) which are periodically transmitted by the

broadcaster, received by the receiver/decoder and passed to the

smartcard.--

Kindly substitute the paragraph at page 12, lines 3-6, with the following

paragraph:

--   The first and second ciphering units 3008 and 3014 comprise a

rack, an electronic VME card with software stored on an EEPROM, up to

20 electronic cards and one smartcard 3010 and 3016 respectively, for

each electronic card, one (card 3016) for encrypting the ECMs

(Entitlement Control Messages) and one (card 3010) for encrypting the
EMMs.--

In the Claims:

Kindly cancel claims 15-39 and 44-54 without prejudice to or disclaimer of the
subject matter recited therein.

Kindly amend the claims as follows:

3. (Amended) A smartcard as claimed in Claim 2, further comprising for each
zone a stored group identifier and a further identifier which identifies that zone within
that group and is arranged to decrypt broadcast signals having an identity corresponding
to the stored group identifier.

4. (Amended) A smartcard as claimed in Claim 1, said smartcard being arranged
to maintain a first series of memory zones containing the identities of the respective
broadcast suppliers and a second series of dynamically created memory zones, the
memory zones in the second series each being labelled with the identity of a broadcast
supplier and containing data including said decryption data used for the handling of
received broadcast signals from that supplier, a plurality of memory zones in the second
series having a common identity label and containing different classes of data relating to
the handling of received broadcast signals from that broadcast supplier.

6. (Amended) A smartcard as claimed in Claim 1, wherein the dynamically created memory zones are continuous.

7. (Amended) A smartcard as claimed in Claim 1, further comprising a management memory zone arranged to store data for controlling the dynamic creation of said dynamically created zones.

8. (Amended) A smartcard as claimed in Claim 1, wherein one of said dynamically created zones contains rights to data indicating a particular selection of broadcast items broadcast by a broadcast supplier, which the user of the smartcard is entitled to decrypt, the smartcard being arranged to utilise said rights data to decrypt items broadcast by that supplier.

9. (Amended) A smartcard as claimed in Claim 1, wherein a transaction memory zone is defined in the smartcard in addition to said dynamically created zones and contains further rights data concerning items broadcast by a broadcast supplier which a user of the smartcard is entitled to decrypt only in response to a transaction output signal which can be generated by the smartcard under the control of the user.

11. (Amended) A receiver/decoder including a smartcard as claimed in Claim 1, and comprising a smartcard reader for reading said smartcard, said receiver/decoder being arranged to decrypt broadcast encrypted signals under the control of the subscriber smartcard.

13. (Amended) A receiver/decoder as claimed in Claim 11, said receiver/decoder having a relatively high bandwidth input port for receiving said encrypted broadcast signals and a relatively low bandwidth output port arranged to transmit output control signals back to a broadcast transmitter.

14. (Amended) A receiver/decoder as claimed in Claim 11, said receiver/decoder containing a stored identifier and is arranged to work only with a smartcard having a corresponding stored identifier.

43. (Amended) A receiver/decoder according to Claim 40, said receiver/decoder being arranged to receive and decrypt broadcast video and/or audio signals.

Kindly add new claim 55 as follows:

--55. A receiver/decoder for receiving and decrypting encrypted broadcast signals, the receiver/decoder comprising:

a smartcard reader;

a processor coupled to the smartcard reader and arranged to decrypt said signals in dependence upon an output from the smartcard; and

a memory containing a stored ID of the receiver/decoder,

the processor being configured to compare said stored ID with an ID of a smartcard read by the smartcard reader, and to enable or disable the decryption of said signals in dependence upon the comparison.--

Remarks

Upon entry of the foregoing amendment, claims 1-14, 40-43, and 55 are pending in the application, with claims 1, 40, and 55 being the independent claims. Claims 15-39 and 44-54 are sought to be canceled without prejudice to or disclaimer of the subject matter recited therein. Claims 3, 4, 6-9, 11, 13, 14, and 43 are sought to be amended. New claim 55 is sought to be added. Amendments to the specification clarify the meaning of the acronyms EMM and ECM. These above changes are believed to introduce no new matter, and their entry is respectfully requested. Favorable consideration of all pending claims is respectfully solicited. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Michael B. Ray
Attorney for Applicants
Registration No. 33,997

Date: 1/25/02

1100 New York Avenue, N.W.
Suite 600
Washington, D.C. 20005-3934
(202) 371-2600

P108-03.wpd

Version With Markings to Show Changes Made

In the specification, at page 1, after line 1 (the title of the invention):

This application is a continuation of Application No. 09/400,443 filed September 21, 1999, which is a continuation of PCT/EP97/02107, filed April 25, 1997.

In the specification, in the paragraph at page 2, lines 1-4:

Dynamic creation (and removal) of zones in the smartcard allows for the rights afforded to the subscriber by means of the smartcard to be changed easily and quickly by, for example, EMMs (Entitlement Management Messages) which are periodically transmitted by the broadcaster, received by the receiver/decoder and passed to the smartcard.

In the specification, in the paragraph at page 12, lines 3-6:

The first and second ciphering units 3008 and 3014 comprise a rack, an electronic VME card with software stored on an EEPROM, up to 20 electronic cards and one smartcard 3010 and 3016 respectively, for each electronic card, one (card 3016) for encrypting the ECMs (Entitlement Control Messages) and one (card 3010) for encrypting the EMMs.

In the Claims:

3. (Amended) A smartcard as claimed in Claim 2, further comprising for each zone a stored group identifier and a further identifier which identifies [it] that zone within that group and is arranged to decrypt broadcast signals having an identity corresponding to the stored group identifier.

4. (Amended) A smartcard as claimed in [any preceding claim] Claim 1, said smartcard being arranged to maintain a first series of memory zones containing the identities of the respective broadcast suppliers and a second series of dynamically created memory zones, the memory zones in the second series each being labelled with the identity of a broadcast supplier and containing data including said decryption data used for the handling of received broadcast signals from that supplier, a plurality of memory zones in the second series having a common identity label and containing different classes of data relating to the handling of received broadcast signals from that broadcast supplier.

6. (Amended) A smartcard as claimed in [any preceding claim] Claim 1, wherein the dynamically created memory zones are continuous.

7. (Amended) A smartcard as claimed in [any preceding claim] Claim 1, further comprising a management memory zone arranged to store data for controlling the dynamic creation of said dynamically created zones.

8. (Amended) A smartcard as claimed in [any preceding claim] Claim 1, wherein one of said dynamically created zones contains rights to data indicating a particular selection of broadcast items broadcast by a broadcast supplier, which the user of the smartcard is entitled to decrypt, the smartcard being arranged to utilise said rights data to decrypt items broadcast by that supplier.

9. (Amended) A smartcard as claimed in [any preceding claim] Claim 1, wherein a transaction memory zone is defined in the smartcard in addition to said dynamically created zones and contains further rights data concerning items broadcast by a broadcast supplier which a user of the smartcard is entitled to decrypt only in response to a transaction output signal which can be generated by the smartcard under the control of the user.

11. (Amended) A receiver/decoder [for use with] including a smartcard as claimed in [any preceding claim] Claim 1, [the receiver/decoder comprising] and comprising a smartcard reader for reading said smartcard, [and] said receiver/decoder being arranged to decrypt broadcast encrypted signals under the control of the subscriber smartcard.

13. (Amended) A receiver/decoder as claimed in Claim 11 [or 12], said receiver/decoder having a relatively high bandwidth input port for receiving said encrypted broadcast signals and a relatively low bandwidth output port arranged to transmit output control signals back to a broadcast transmitter.

14. (Amended) A receiver/decoder as claimed in [any of claims 11 to 13] Claim 11, said receiver/decoder containing a stored identifier and is arranged to work only with a smartcard having a corresponding stored identifier.

43. (Amended) A receiver/decoder according to [any of Claims 40 to 42] Claim 40, said receiver/decoder being arranged to receive and decrypt broadcast video and/or audio signals.